



California Regional Water Quality Control Board

San Diego Region



Linda S. Adams
Secretary for
Environmental Protection

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December 28, 2009

Certified Mail – Return Receipt Requested
Article Number: 7009 1410 0002 2347 5289

Mr. Tom Lichterman, Director of Operations
North County Transit District
810 Mission Avenue
Oceanside, CA 92054-2825

In reply refer to:
745903: LPardy

Dear Mr. Lichterman:

SUBJECT: BRIDGE 243.0 RETROFIT (FILE NO. 09C-082) 401 WATER QUALITY CERTIFICATION AMENDMENT NO. 1

The California Regional Water Quality Control Board, San Diego Region (Regional Board) is amending the 401 Water Quality Certification for the **Bridge 243.0 Retrofit** project (File No. 09C-082). This decision is based on a verbal request from your project representative for revisions in the turbidity monitoring requirements. This amendment will revise the turbidity monitoring requirements contained in section C of the subject certification. Changes/additions to the 401 certification are shown in bold strikeout/underline below.

~~C. TURBIDITY MONITORING PROGRAM:~~

- ~~1. To ensure the Bridge 243.0 Retrofit project does not adversely affect the beneficial uses of San Dieguito River and Lagoon, the North County Transit District shall develop and implement a Turbidity Monitoring Program to measure turbidity levels above and below the dredging project site. Turbidity monitoring shall continue until such time that dredging activities have been completed. The Turbidity Monitoring Program plan shall be developed and submitted to the Regional Board for acceptance prior to initiation of dredging. Hourly turbidity levels shall not exceed the following limits:~~

Background Turbidity	Maximum Increase
0-50 NTU	20% over background turbidity level
50-100 NTU	10 NTU
Greater than 100 NTU	10% over background turbidity level

- ~~2. The North County Transit District shall immediately assess the results of each sampling event, and if the results of the downstream site exceed the maximum allowable increase in turbidity, the North County Transit District shall conduct an immediate assessment of erosion and sediment control best management practices being implemented on site. The North County Transit District shall:~~

California Environmental Protection Agency



- ~~a. Repair or replace any BMP that has failed.~~
- ~~b. Maintain any BMP that is not functioning properly due to lack of maintenance.~~
- ~~c. Evaluate whether additional or alternative BMPs should be implemented to prevent further exceedences of turbidity levels.~~
- ~~d. Report to the Regional Board within 2 working days the actions taken to remedy the situation.~~
- ~~e. Stop work if consecutive measurements show a greater than 30% increase in the relative difference of turbidity between background turbidity compliance sites.~~

~~3. The North County Transit District shall retain all turbidity monitoring data for 3 years.~~

C. TURBIDITY MONITORING:

1. To ensure the Bridge 243.0 Retrofit project does not adversely affect the beneficial uses of San Dieguito River and Lagoon, the North County Transit District shall install a continuous, floating silt (turbidity) curtain around the work area of the Bents prior to the start of all in-water activities to prevent the transport of any debris or turbidity outside the dredging area. The silt curtain shall completely encompass the area of dredging around the Bents. Dredging activities shall be confined to the areas proposed for pile wrapping for the existing Bents located between Bents 2 and 37. The silt curtain placement is shown in 'Attachment 6 – Location of Silt/Turbidity Curtain' from the North County Transit District, Bridge 243.0 Retrofit Project – Clean Water Act Section 401 Water Quality Application Submittal Package entitled, 'Bridge 243.0 Retrofit over San Dieguito River Area of Potential Effects and Draft Sediment and Erosion Control Plan,' November 2009.

2. The North County Transit District shall conduct qualitative (visual) turbidity monitoring during dredging activities. The visual turbidity monitoring must be conducted by a designated observer from a high vantage point to determine whether water quality objectives for turbidity are exceeded outside the silt curtain.

3. If turbidity plumes are visually observed beyond the silt curtain, dredging activities shall be stopped, and the North County Transit District shall:

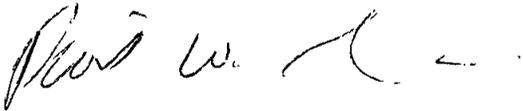
- a. Repair or replace any BMP that has failed.
- b. Maintain any BMP that is not functioning properly due to lack of maintenance.
- c. Evaluate whether additional or alternative BMPs should be implemented to prevent further exceedences of turbidity levels.
- d. Take appropriate actions to remedy the situation.

e. Report to the Regional Board within 2 working days the actions taken to remedy the situation.

In addition, 'Attachment 6 – Location of Turbidity Monitoring' is added to the 401 Water Quality Certification for the Bridge 243.0 Retrofit project, and is enclosed herein as **Attachment 6- Location of Silt/Turbidity Curtain.**

In the subject line of any response, please include the requested "In reply refer to:" information located in the heading of this letter. For questions pertaining to the subject matter, please contact Ms. Linda Pardy at (858) 627-3932 or lpardy@waterboards.ca.gov.

Respectfully,



DAVID W. GIBSON
Executive Officer

Attachment: Attachment 6 – Location of Silt/Turbidity Curtain

CC (via email):

Robert R. Smith
U.S. Army Corps of Engineers, Regulatory Branch
Robert.R.Smith@usace.army.mil

Janet Stuckrath
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Janet_Stuckrath@fws.gov

David Smith
Wetlands Regulatory Office
U.S. Environmental Protection Agency, Region 9
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Larry Simon
California Coastal Commission
lsimon@coastal.ca.gov

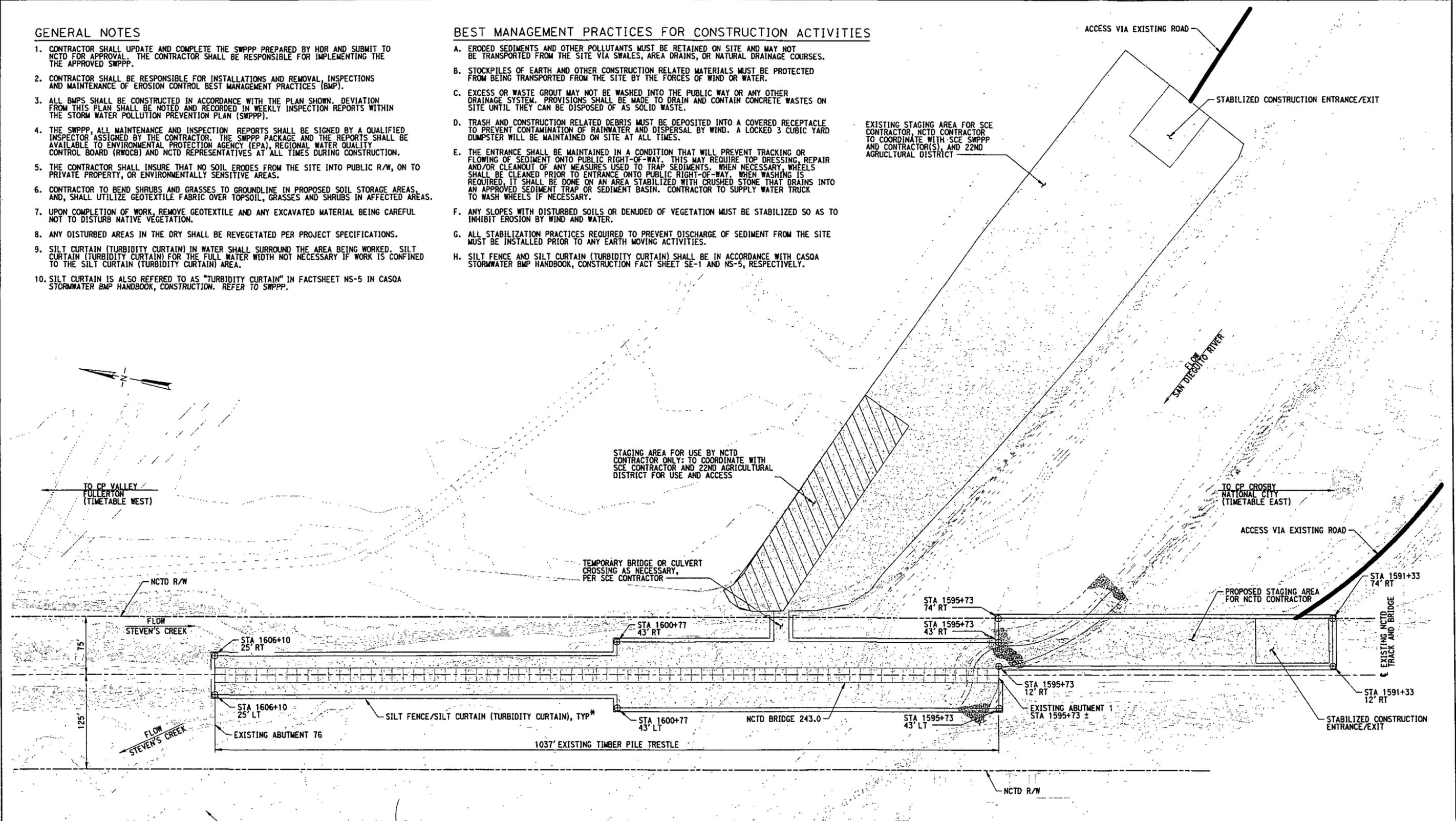
Bill Orme
State Water Resources Control Board, Division of Water Quality
Stateboard401@waterboards.ca.gov

GENERAL NOTES

1. CONTRACTOR SHALL UPDATE AND COMPLETE THE SWPPP PREPARED BY HDR AND SUBMIT TO NCTD FOR APPROVAL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING THE APPROVED SWPPP.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATIONS AND REMOVAL, INSPECTIONS AND MAINTENANCE OF EROSION CONTROL BEST MANAGEMENT PRACTICES (BMP).
3. ALL BMPs SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLAN SHOWN. DEVIATION FROM THIS PLAN SHALL BE NOTED AND RECORDED IN WEEKLY INSPECTION REPORTS WITHIN THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP).
4. THE SWPPP, ALL MAINTENANCE AND INSPECTION REPORTS SHALL BE SIGNED BY A QUALIFIED INSPECTOR ASSIGNED BY THE CONTRACTOR. THE SWPPP PACKAGE AND THE REPORTS SHALL BE AVAILABLE TO ENVIRONMENTAL PROTECTION AGENCY (EPA), REGIONAL WATER QUALITY CONTROL BOARD (RWQCB) AND NCTD REPRESENTATIVES AT ALL TIMES DURING CONSTRUCTION.
5. THE CONTRACTOR SHALL INSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC R/W, ON TO PRIVATE PROPERTY, OR ENVIRONMENTALLY SENSITIVE AREAS.
6. CONTRACTOR TO BEND SHRUBS AND GRASSES TO GROUNDLINE IN PROPOSED SOIL STORAGE AREAS, AND, SHALL UTILIZE GEOTEXTILE FABRIC OVER TOPSOIL, GRASSES AND SHRUBS IN AFFECTED AREAS.
7. UPON COMPLETION OF WORK, REMOVE GEOTEXTILE AND ANY EXCAVATED MATERIAL BEING CAREFUL NOT TO DISTURB NATIVE VEGETATION.
8. ANY DISTURBED AREAS IN THE DRY SHALL BE REVEGETATED PER PROJECT SPECIFICATIONS.
9. SILT CURTAIN (TURBIDITY CURTAIN) IN WATER SHALL SURROUND THE AREA BEING WORKED. SILT CURTAIN (TURBIDITY CURTAIN) FOR THE FULL WATER WIDTH NOT NECESSARY IF WORK IS CONFINED TO THE SILT CURTAIN (TURBIDITY CURTAIN) AREA.
10. SILT CURTAIN IS ALSO REFERED TO AS "TURBIDITY CURTAIN" IN FACTSHEET NS-5 IN CASQA STORMWATER BMP HANDBOOK, CONSTRUCTION. REFER TO SWPPP.

BEST MANAGEMENT PRACTICES FOR CONSTRUCTION ACTIVITIES

- A. ERODED SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ON SITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SWALES, AREA DRAINS, OR NATURAL DRAINAGE COURSES.
- B. STOCKPILES OF EARTH AND OTHER CONSTRUCTION RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND OR WATER.
- C. EXCESS OR WASTE GROUT MAY NOT BE WASHED INTO THE PUBLIC WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO DRAIN AND CONTAIN CONCRETE WASTES ON SITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTE.
- D. TRASH AND CONSTRUCTION RELATED DEBRIS MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OF RAINWATER AND DISPERSAL BY WIND. A LOCKED 3 CUBIC YARD DUMPSTER WILL BE MAINTAINED ON SITE AT ALL TIMES.
- E. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENTS. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN. CONTRACTOR TO SUPPLY WATER TRUCK TO WASH WHEELS IF NECESSARY.
- F. ANY SLOPES WITH DISTURBED SOILS OR DENUDED OF VEGETATION MUST BE STABILIZED SO AS TO INHIBIT EROSION BY WIND AND WATER.
- G. ALL STABILIZATION PRACTICES REQUIRED TO PREVENT DISCHARGE OF SEDIMENT FROM THE SITE MUST BE INSTALLED PRIOR TO ANY EARTH MOVING ACTIVITIES.
- H. SILT FENCE AND SILT CURTAIN (TURBIDITY CURTAIN) SHALL BE IN ACCORDANCE WITH CASQA STORMWATER BMP HANDBOOK, CONSTRUCTION FACT SHEET SE-1 AND NS-5, RESPECTIVELY.



STAGING AREA FOR USE BY NCTD CONTRACTOR ONLY: TO COORDINATE WITH SCE CONTRACTOR AND 22ND AGRICULTURAL DISTRICT FOR USE AND ACCESS

TEMPORARY BRIDGE OR CULVERT CROSSING AS NECESSARY, PER SCE CONTRACTOR

NOTE:
* REFER TO GENERAL NOTE 9 FOR DETAILS THESE IMPACTS DO NOT INCLUDE SCE'S PROPOSED CHANNEL DREDGING

LEGEND:
[Symbol] TEMPORARY AREA OF POTENTIAL EFFECTS

11/25/2009
S:\CADD\143893\243.0-BR03.dgn

REV.	DATE	DESCRIPTION	BY	APP.
C	11/25/09	FINAL SUBMITTAL		
B	11/6/09	90% SUBMITTAL		
A	10/1/09	60% SUBMITTAL		

Information contained on plans, drawings, specifications, and all information furnished herewith shall remain the property of the North San Diego County Transit District and shall be held confidential and shall not be used for any purpose not provided for in agreements with the North San Diego County Transit District.

DESIGNED BY
GR/GGF/WFY
DRAWN BY
GHS
CHECKED BY
GGF/WFY
APPROVED BY
GGF
DATE
NOV. 2009



HDR ONE COMPANY | Many Solutions
3230 El Camino Real
Suite 200
Irvine, CA 92602
APPROVED: *[Signature]*



**BRIDGE 243.0 RETROFIT
OVER SAN DIEGUITO RIVER
AREA OF POTENTIAL EFFECTS
AND DRAFT SEDIMENT
AND EROSION CONTROL PLAN**

CONTRACT NO. 243.0-BR03	DRAWING NO.
REVISION SHEET NO. 4 OF 8	
SCALE 1" = 60'	

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Tom Lichterman
 NCTD
 810 Mission Ave
 Oceanside, CA 92054-2825

2. Article Number

(Transfer from service label)

7009 1410 0002 2347 5289

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

Agent

Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? Yes

If YES, enter delivery address below: No

3. Service Type

Certified Mail

Express Mail

Registered

Return Receipt for Merchandise

Insured Mail

C.O.D.

4. Restricted Delivery? (Extra Fee)

Yes

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7009 1410 0002 2347 5289

Postage	\$, 61
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.71

Postmark
Here

Sent To Tom Lichterman, NCTD
 Street, Apt. No.,
 or PO Box No. 810 Mission Avenue
 City, State, ZIP+4 Oceanside, CA 92054

PS Form 3800, August 2005

See Reverse for Instructions

174 0100